

16474

AMENDMENTS TO THE CLAIMS

Claims 1-4 (Cancelled)

5. (Currently Amended) A retrofit kit for motorizing a collapsible mini scooter, the mini scooter including a base platform having front and rear wheels rotatably mounted at front and rear ends thereof respectively and a steering column coupled to the front wheel for steering the mini scooter, the retrofit kit comprising:

an electric motor having a rotatable spindle;

a bracket adapted to mount said motor adjacent the mini scooter rear wheel in a position for drivingly engaging the rear wheel with said spindle;

a thumb screw threadably engaging said bracket for selective movement of said bracket to engage and disengage said spindle with the rear wheel;

a battery pack adapted to be mounted on the mini scooter base platform for generating electrical power to operate said motor;

wiring for electrically connecting said battery pack to said motor; and

a manually actuatable switch adapted to be mounted on the mini scooter steering column and connected to said wiring for selectively applying electrical power from said battery pack to said motor thereby rotating the rear wheel.

6. (Previously Presented) The retrofit kit according to claim 5 including a foot brake pivotally attached to said bracket for engaging the rear wheel to prevent rotation thereof.

Claim 7 (Cancelled)

8. (Previously Presented) The retrofit kit according to claim 5 including a battery tray retaining said battery pack.

9. (Previously Presented) The retrofit kit according to claim 8 including a means for releasably attaching said battery tray with an underside of the base platform.

DRAFT AVAILABLE COPY

16474

10. (Previously Presented) The retrofit kit according to claim 9 wherein said means for releasably attaching includes hook and loop fasteners.

11. (Previously Presented) The retrofit kit according to claim 5 including an electrical relay connected between said motor and said battery pack in series with said wiring.

12. (Previously Presented) The retrofit kit according to claim 11 including a control circuit connected between said relay and said switch whereby actuation of said switch actuates said relay to apply the electrical power from said battery pack to said motor.

13. (Previously Presented) The retrofit kit according to claim 5 wherein said switch is an on/off pushbutton switch.

14. (Currently Amended) The retrofit kit according to claim 5 including A retrofit kit for motorizing a collapsible mini scooter, the mini scooter including a base platform having front and rear wheels rotatably mounted at front and rear ends thereof respectively and a steering column coupled to the front wheel for steering the mini scooter, the retrofit kit comprising:

an electric motor having a rotatable spindle;

a bracket adapted to mount said motor adjacent the mini scooter rear wheel in a position for drivingly engaging the rear wheel with said spindle;

a battery pack adapted to be mounted on the mini scooter base platform for generating electrical power to operate said motor;

wiring for electrically connecting said battery pack to said motor;

a manually actuatable switch adapted to be mounted on the mini scooter steering column and connected to said wiring for selectively applying electrical power from said battery pack to said motor thereby rotating the rear wheel; and

a control circuit connected between said wiring and said switch, said control circuit having a contact strip adapted to be attached to a head tube extending from the base platform and a contact bar adapted to be attached to the steering column, said

BEST AVAILABLE COPY

16474

contact strip and said contact bar cooperating to provide an electrical connection between said wiring and said switch.

15. (Currently Amended) A retrofit kit for motorizing a collapsible mini scooter, the mini scooter including a base platform having front and rear wheels rotatably mounted at front and rear ends thereof respectively, a head tube extending from the front end of the base platform and a steering column extending through the head tube and coupled to the front wheel for steering the mini scooter, the retrofit kit comprising:

an electric motor having a rotatable spindle;

a bracket adapted to mount said motor adjacent the mini scooter rear wheel in a position for drivingly engaging the rear wheel with said spindle;

a thumb screw threadably engaging said bracket for selective movement of said bracket to engage and disengage said spindle with the rear wheel:

a foot brake pivotally attached to said bracket for engaging the rear wheel to prevent rotation thereof;

a battery pack adapted to be mounted on the mini scooter base platform for generating electrical power to operate said motor;

wiring for electrically connecting said battery pack to said motor;

a manually actuatable switch adapted to be mounted on the mini scooter steering column and connected to said wiring for selectively applying electrical power from said battery pack to said motor thereby rotating the rear wheel.

Claim 16 (Cancelled)

17. (Previously Presented) The retrofit kit according to claim 15 including a battery tray retaining said battery pack.

18. (Previously Presented) The retrofit kit according to claim 17 including hook and loop fasteners for releasably attaching said battery tray with an underside of the base platform.

BEST AVAILABLE COPY

16474

19. (Previously Presented) The retrofit kit according to claim 15 including an electrical relay connected between said motor and said battery pack in series with said wiring.

20. (Previously Presented) The retrofit kit according to claim 19 including a control circuit connected between said relay and said switch whereby actuation of said switch actuates said relay to apply the electrical power from said battery pack to said motor.

21. (Currently Amended) The retrofit kit according to claim 15 including A retrofit kit for motorizing a collapsible mini scooter, the mini scooter including a base platform having front and rear wheels rotatably mounted at front and rear ends thereof respectively, a head tube extending from the front end of the base platform and a steering column extending through the head tube and coupled to the front wheel for steering the mini scooter, the retrofit kit comprising:
an electric motor having a rotatable spindle;
a bracket adapted to mount said motor adjacent the mini scooter rear wheel in a position for drivingly engaging the rear wheel with said spindle;
a foot brake pivotally attached to said bracket for engaging the rear wheel to prevent rotation thereof;
a battery pack adapted to be mounted on the mini scooter base platform for generating electrical power to operate said motor;
wiring for electrically connecting said battery pack to said motor;
a manually actuatable switch adapted to be mounted on the mini scooter steering column and connected to said wiring for selectively applying electrical power from said battery pack to said motor thereby rotating the rear wheel; and
a control circuit connected between said wiring and said switch, said control circuit having a contact strip adapted to be attached to a head tube extending from the base platform and a contact bar adapted to be attached to the steering column, said contact strip and said contact bar cooperating to provide an electrical connection between said wiring and said switch.

BEST AVAILABLE COPY

16474

22. (Currently Amended) A retrofit kit for motorizing a collapsible mini scooter, the mini scooter including a base platform having front and rear wheels rotatably mounted at front and rear ends thereof respectively, a head tube extending from the front end of the base platform and a steering column extending through the head tube and coupled to the front wheel for steering the mini scooter, the retrofit kit comprising:

an electric motor having a rotatable spindle;

a bracket adapted to pivotally mount said motor adjacent the mini scooter rear wheel in a position for drivingly engaging the rear wheel with said spindle;

a thumb screw threadably engaging said bracket and adapted to contact said base platform for selectively pivoting said bracket to engage and disengage said spindle with the rear wheel;

a foot brake pivotally attached to said bracket for engaging the rear wheel to prevent rotation thereof;

a battery pack adapted to be mounted on the mini scooter base platform for generating electrical power to operate said motor;

wiring for electrically connecting said battery pack to said motor;

a control circuit including a manually actuatable switch adapted to be mounted on the mini scooter steering column, said control circuit connecting said switch to said wiring for selectively applying electrical power from said battery pack to said motor thereby rotating the rear wheel.

Claim 23 (Cancelled)

24. (Previously Presented) The retrofit kit according to claim 22 including hook and loop fasteners for releasably attaching said battery pack with an underside of the base platform.

BEST AVAILABLE COPY